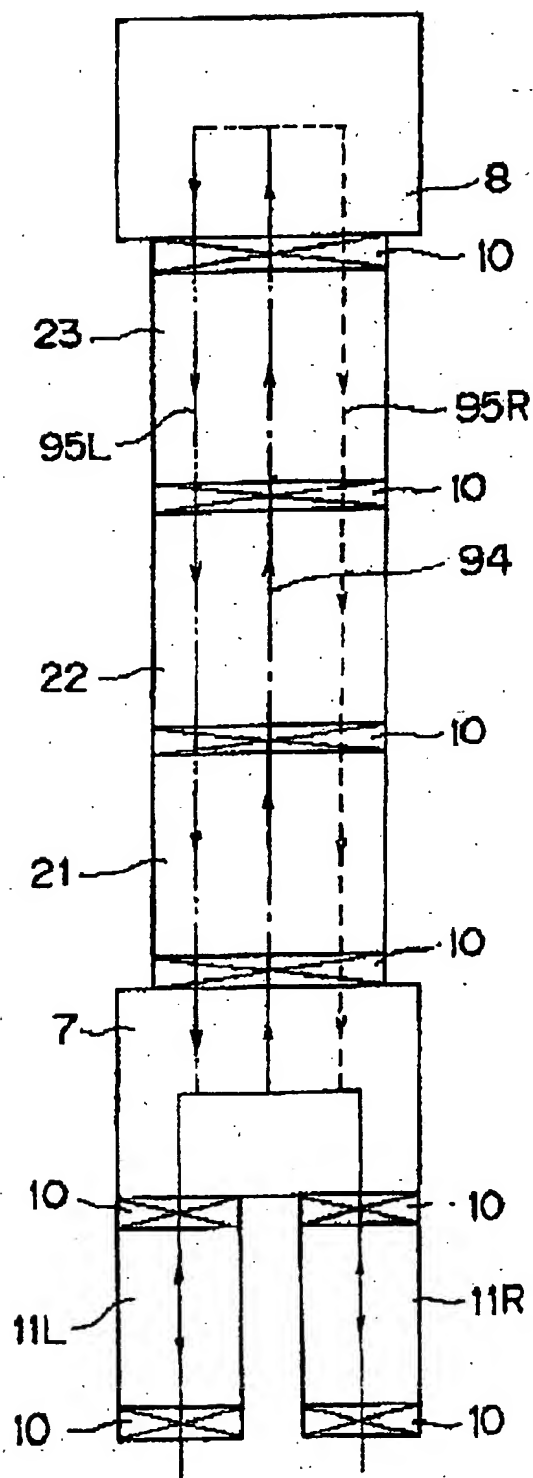
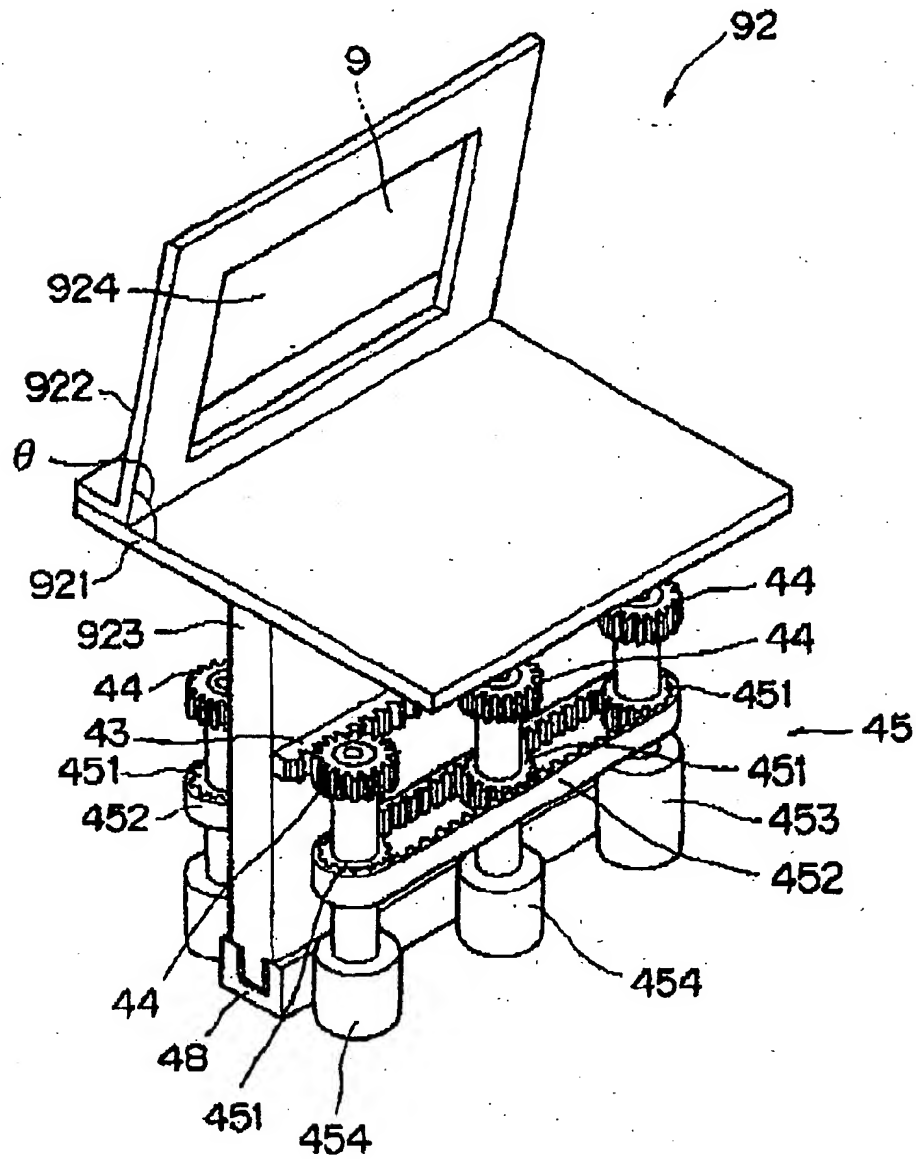


Figure 1



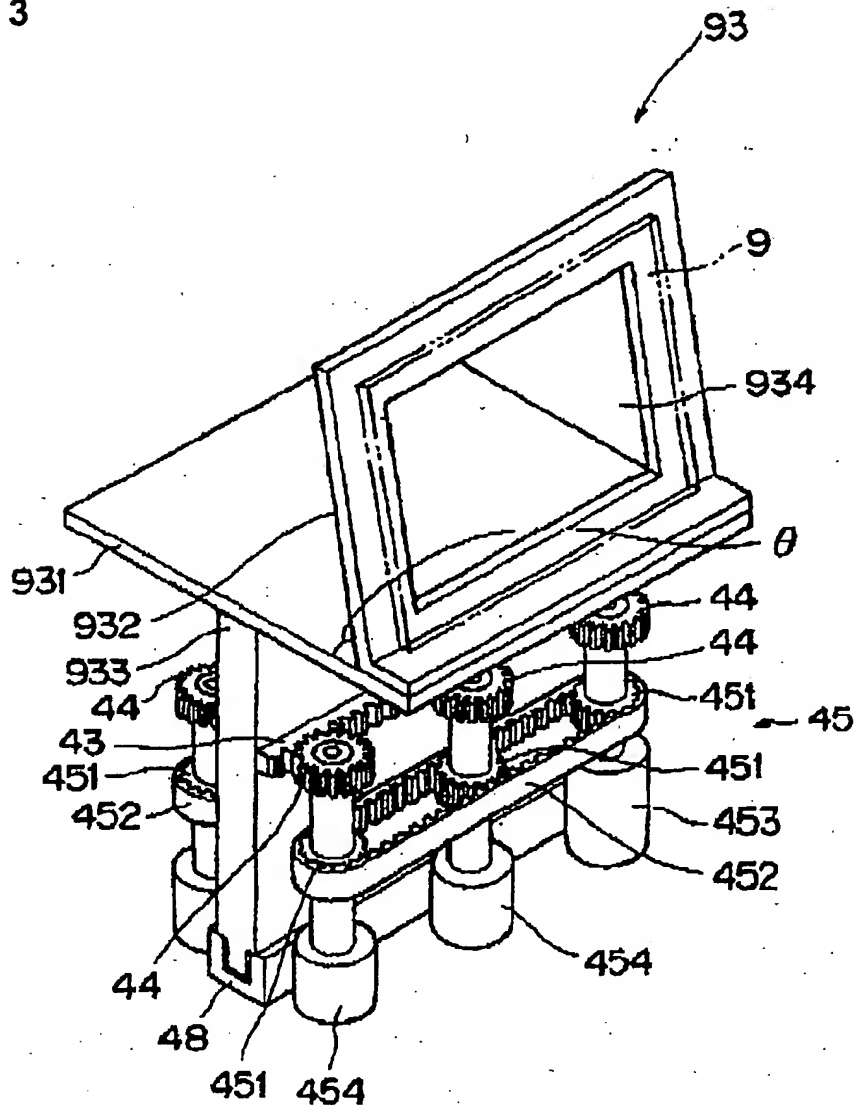
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Figure 2



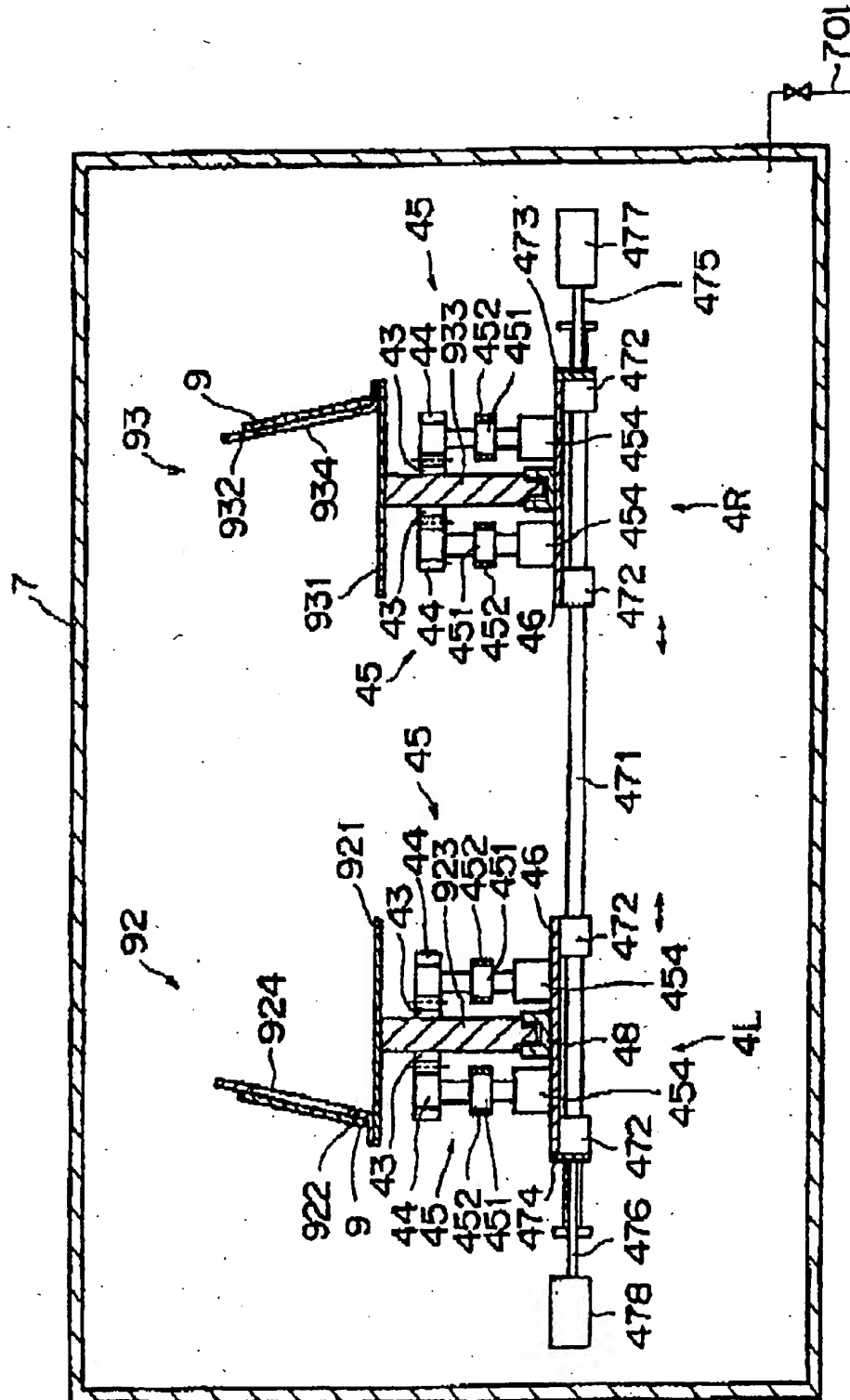
10045501-121701

Figure 3



1005601-121701

Figure 4



Material	Modulus	Strength	Stress	Strain	Energy
Aluminum	70,000	10,000	10,000	0.01	0.001
Steel	210,000	40,000	40,000	0.01	0.001
Concrete	15,000	4,000	4,000	0.01	0.001
Brass	100,000	20,000	20,000	0.01	0.001
Wood	10,000	10,000	10,000	0.01	0.001
Glass	70,000	10,000	10,000	0.01	0.001
Carbon Fiber	230,000	40,000	40,000	0.01	0.001
Kevlar	130,000	20,000	20,000	0.01	0.001
Fiberglass	70,000	10,000	10,000	0.01	0.001
Polycarbonate	240,000	40,000	40,000	0.01	0.001
Acrylic	3,000	1,000	1,000	0.01	0.001
Plastic	3,000	1,000	1,000	0.01	0.001
Rubber	0.01	0.01	0.01	0.01	0.001
Neoprene	0.01	0.01	0.01	0.01	0.001
Silicone	0.01	0.01	0.01	0.01	0.001
Epoxy	3,000	1,000	1,000	0.01	0.001
Carbon	1,000,000	100,000	100,000	0.01	0.001
Graphite	1,000,000	100,000	100,000	0.01	0.001
Carbon Nanotube	1,000,000	100,000	100,000	0.01	0.001
Carbon Fiber	230,000	40,000	40,000	0.01	0.001
Kevlar	130,000	20,000	20,000	0.01	0.001
Fiberglass	70,000	10,000	10,000	0.01	0.001
Polycarbonate	240,000	40,000	40,000	0.01	0.001
Acrylic	3,000	1,000	1,000	0.01	0.001
Plastic	3,000	1,000	1,000	0.01	0.001
Rubber	0.01	0.01	0.01	0.01	0.001
Neoprene	0.01	0.01	0.01	0.01	0.001
Silicone	0.01	0.01	0.01	0.01	0.001
Epoxy	3,000	1,000	1,000	0.01	0.001
Carbon	1,000,000	100,000	100,000	0.01	0.001
Graphite	1,000,000	100,000	100,000	0.01	0.001
Carbon Nanotube	1,000,000	100,000	100,000	0.01	0.001

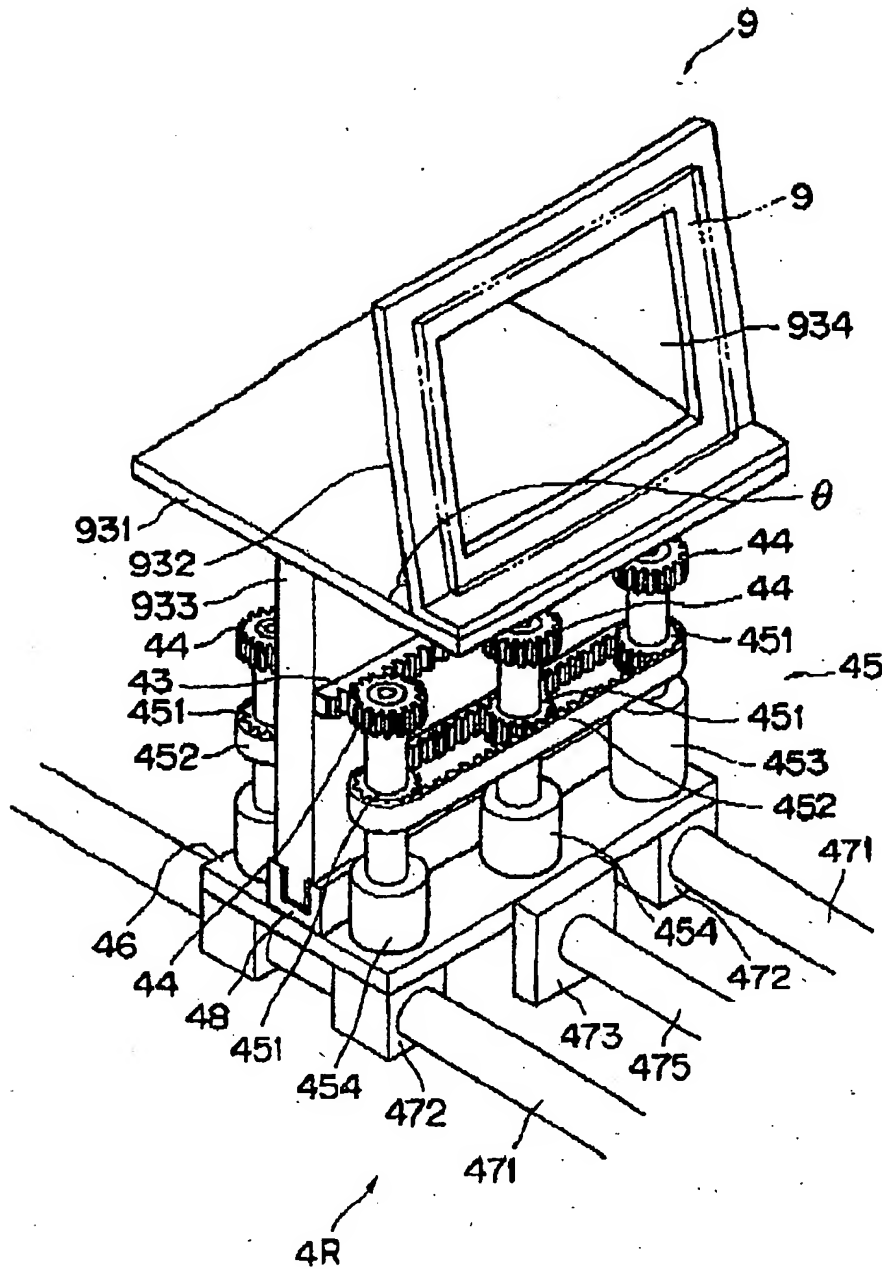
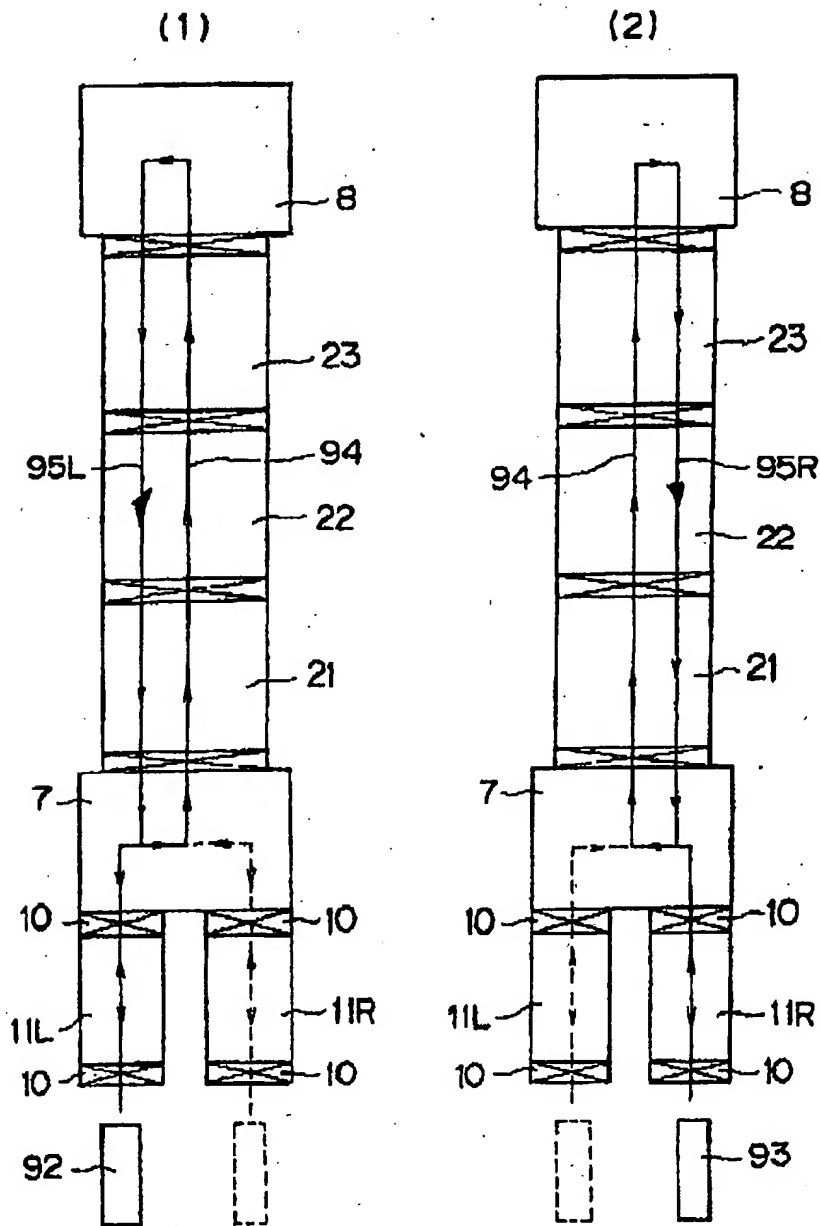
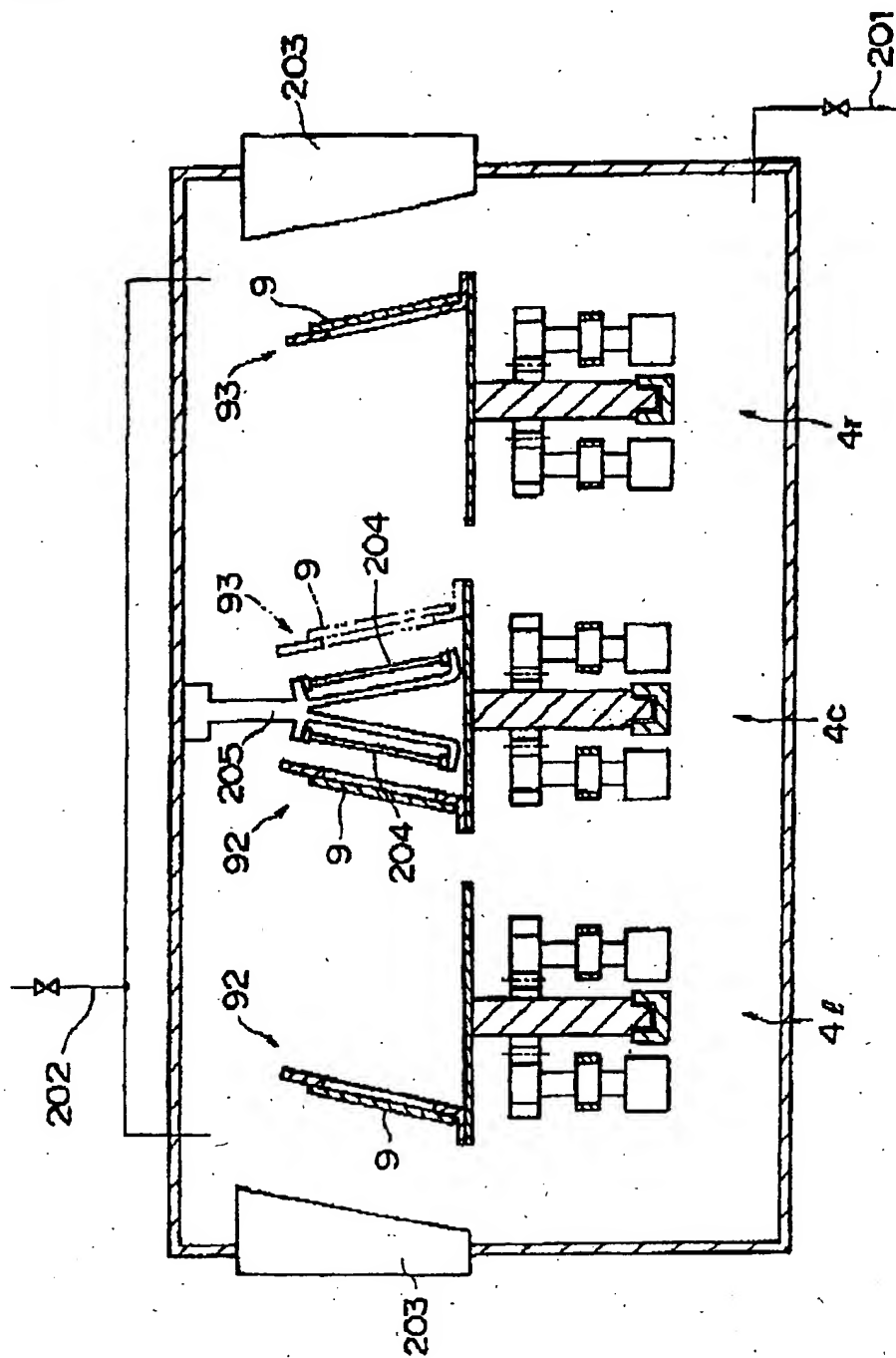


Figure 6



Figur 7



Figur 8

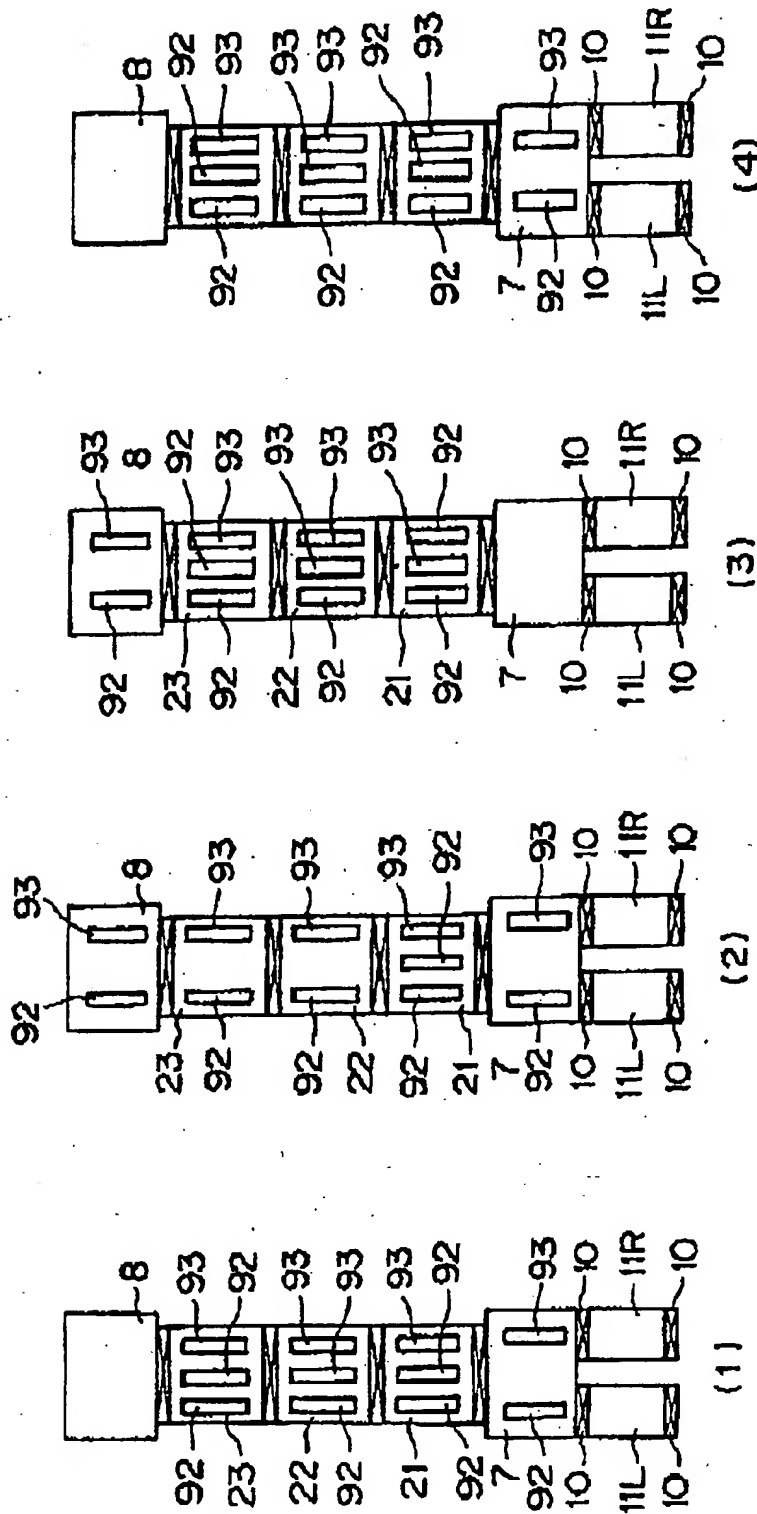


Figure 9

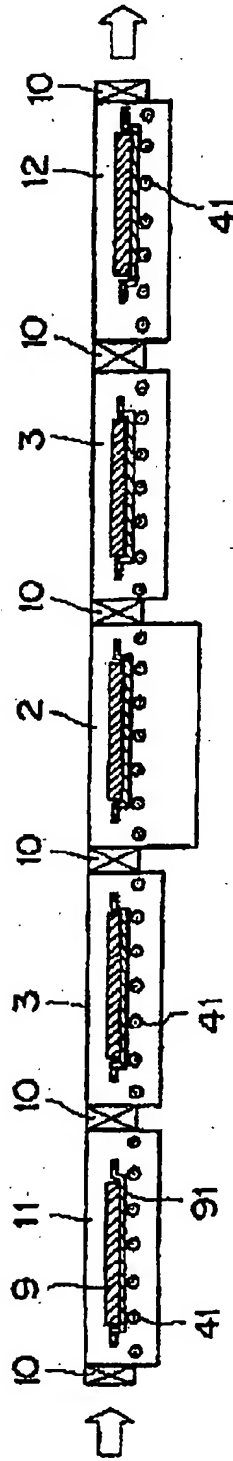
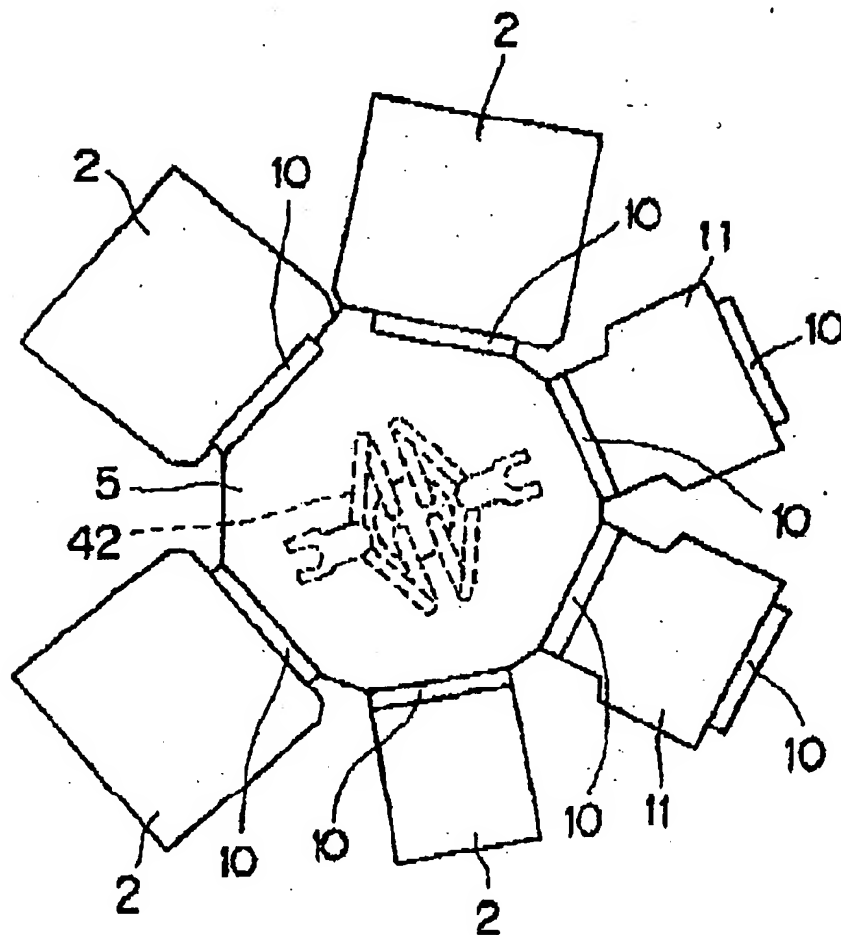


Figure 10



10035601-121701